



pp1298

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Vorenkamp *et al.*

Appl. No. 09/739,349

Filed: December 15, 2000

For: **Digital IF Demodulator for Video Applications**

Art Unit: 2614

Examiner: *To be assigned*

Atty. Docket: 1875.1010001

**Revocation of Prior Power of Attorney and Appointment of New Attorneys of Record**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned, having express authority to represent Broadcom Corporation, the assignee of the entire right, title, and interest in the above-captioned application, by assignment filed at the U.S. Patent and Trademark Office concurrently herewith (copy enclosed), hereby revokes all powers of attorney heretofore given in the above-captioned application and appoints as his attorneys James D. Bennett, Registration No. 37,550 and David J. Rosmann, Registration No. 43,059, and the attorneys associated with Customer Number 28393, those attorneys currently being: Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michele A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688; Michael Q. Lee, Registration No. 35,239; Steven R. Ludwig, Registration No. 36,203; John M. Covert, Registration No. 38,759; and Linda E. Alcorn, Registration No. 39,588, with full power of substitution, association, and revocation, to prosecute said application and to transact all business in the United States Patent and Trademark Office connected therewith.

The undersigned hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send all correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934.

Direct telephone calls to (202) 371-2600.

On behalf of Broadcom Corporation:

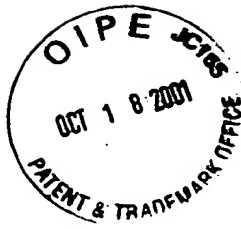
FOR: Broadcom Corporation

SIGNATURE: 

BY: William J Ruehle

TITLE: Vice President Chief Financial Officer

DATE: August 16, 2001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Vorenkamp *et al.*

Appl. No. 09/739,349

Filed: December 15, 2000

For: **Digital IF Demodulator for Video Applications**

Confirmation No.: 3369

Art Unit: 2614

Examiner: To be assigned

Atty. Docket: 1875.1010001

**Request for Change of Attorney Docket Number**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants respectfully request that the attorney docket number for the above-captioned application be changed from "36664/PBH/B600" to -- 1875.1010001 --. Kindly use this attorney docket number in any future correspondence addressed to the undersigned.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert Sokohl  
Attorney for Applicants  
Registration No. 36,013

Date: 10/18/01

1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005  
(202) 371-2600  
RES/mmb



## Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Patent Owner: Pieter Vorenkamp, Myles H. Wakayama, Steven Jaffe, Frank Carr, Arnoldus Venes,  
Peter R. Kinget, Daniel J. Marz and Thinh Nguyen

Application No./Patent No.: 09/739,349 Filed/Issue Date: December 15, 2000

Entitled: Digital IF Demodulator for Video Applications

Broadcom Corporation

(Name of Assignee)

, a corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.  
☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:]** A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: August 16, 2001

Name: William J. Ruehle

Title: Vice President Chief Financial Officer

Signature: [Signature]

**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Pieter Vorenkamp, 2) Myles H. Wakayama, 3) Steven Jaffe, 4) Frank Carr, 5) Arnoldus Venes, 6) Peter R. Kinget, 7) Daniel J. Marz and 8) Thinh Nguyen, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),  
☒ and throughout the world,

(a) in the invention(s) known as Digital IF Demodulator for Video Applications for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) 7/10/2001, 2) 7/19/01, 3) \_\_\_\_\_, 4) \_\_\_\_\_, 5) 7/10/2001, 6) \_\_\_\_\_, 7) \_\_\_\_\_ and 8) 8/12/01 (also known as United States Application No. 09/739,349, filed December 15, 2000), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

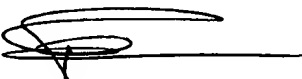
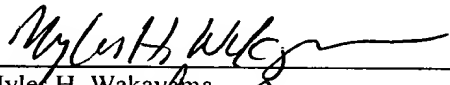
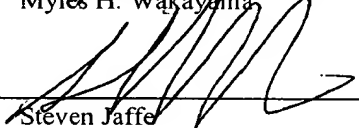
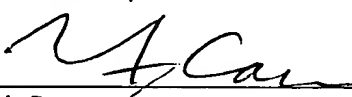
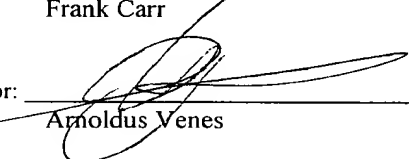
The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene

G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

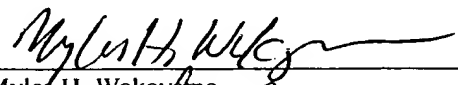
Date: <u>8/14/2001</u>	Signature of Inventor:  Pieter Vorenkamp
Date: <u>7/19/01</u>	Signature of Inventor:  Myles H. Wakayama
Date: <u>8/7/01</u>	Signature of Inventor:  Steven Jaffe
Date: <u>7/18/01</u>	Signature of Inventor:  Frank Carr
Date: <u>7/12/2001</u>	Signature of Inventor:  Arnoldus Venes
Date: _____	Signature of Inventor: _____ Peter R. Kinget
Date: _____	Signature of Inventor: _____ Daniel J. Marz
Date: _____	Signature of Inventor: _____ Thinh Nguyen

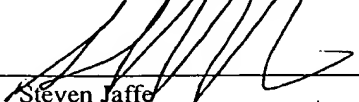
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PLEASE SIGN  
& DATE

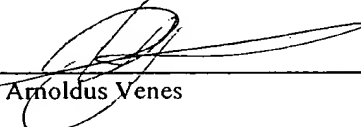
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Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Pieter Vorenkamp

Date: 7/19/01 Signature of Inventor:   
Myles H. Wakayama

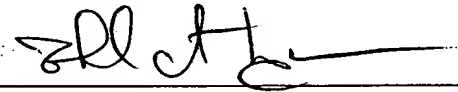
Date: 8/7/01 Signature of Inventor:   
Steven Jaffe

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Frank Carr

Date: 7/12/001 Signature of Inventor:   
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Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Peter R. Kinget

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Daniel J. Marz

Date: 8/12/01 Signature of Inventor:   
Thinh Nguyen

#5

ASSIGNMENT

**DO NOT FORWARD  
TO ASSIGNMENT BRANCH  
NOT FOR RECORDATION**

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PES  
10/13/01

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(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Pieter Vorenkamp

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
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Frank Carr

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Arnoldus Venes

Date: 09/30/2001 Signature of Inventor: \_\_\_\_\_  
Peter K. Kingat

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Daniel J. Marz

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Thinh Nguyen

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Pieter Vorenkamp, 2) Myles H. Wakayama, 3) Steven Jaffe, 4) Frank Carr, 5) Arnoldus Venes, 6) Peter R. Kinget, 7) Daniel J. Marz and 8) Thinh Nguyen, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

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(a) in the invention(s) known as Digital IF Demodulator for Video Applications for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) \_\_\_\_\_, 2) \_\_\_\_\_, 3) \_\_\_\_\_, 4) \_\_\_\_\_, 5) \_\_\_\_\_, 6) \_\_\_\_\_, 7) 10/04/01 and 8) \_\_\_\_\_ (also known as United States Application No. 09/739,349, filed December 15, 2000), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

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Date: 10/04/01 Signature of Inventor:   
Daniel J. Marz

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Thinh Nguyen